Plant Cell, Tissue and Organ Culture **61:** 259–261, 2000.

CONTENTS Volume 61 2000

Volume 61 No. 1

In vitro multiplication and ecorehabilitation of the endangered Blue Vanda
S. Seeni, P.G. Latha **1–8**

Analysis of morphological changes in carrot somatic embryogenesis by serial observation
Y. Ibaraki, R. Matsushima, K. Kurata **9–14**

Somatic embryogenesis in the endemic black iris
R.A. Shibli, M.M. Ajlouni **15–21**

In vitro organogenesis and plant formation in _Acacia sinuata_
G. Vengadesan, A. Ganapathi, R. Prem Anand, V. Ramesh Anbazhagan **23–28**

Efficient rooting for establishment of papaya plantlets by micropropagation
T.-A. Yu, S.-D. Yeh, Y.-H. Cheng, J.-S. Yang **29–35**

Effect of carbon source and sucrose concentration on growth and hexose accumulation of grape berries cultured _in vitro_
F.J. Pérez, P. Meza, M. Berti, M. Pinto **37–40**

Reaction of common bean callus to culture filtrate of _Colletotrichum lindemuthianum_: Differences in the composition and toxic activity of fungal culture filtrates
M.T. Fernández, M. Fernández, M.L. Centeno, M.J. Cañal, R. Rodriguez **41–49**

Somatic embryogenesis and plant regeneration from litchi protoplasts isolated from embryogenic suspensions
C. Yu, Z. Chen, L. Lu, J. Lin **51–58**

Effects of _in vitro_ treatments on leaf area growth of potato transplants during acclimatisation
M. Tadesse, W.J.M. Lommen, P.C. Struik **59–67**

Organogenesis and somatic embryogenesis in _Foeniculum vulgare_: histological observations of developing embryogenic callus
M. Anzidei, A. Bennici, S. Schiff, C. Tani, B. Mori **69–79**

Research note

Plant regeneration from embryogenic cell suspension-derived protoplasts of rubber
S. Sushamakumari, M.P. Asokan, P. Anthony, K.C. Lowe, J.B. Power, M.R. Davey **81–85**

Volume 61 No. 2

Effect of bioreactor configuration on the growth and maturation of *Picea sitchensis* somatic embryo cultures
B. Ingram, F. Mavituna **87–96**

***In vitro* micropropagation of *Gymnema sylvestre* – A multipurpose medicinal plant**
N. Komalavalli, M.V. Rao **97–105**

Somatic embryogenesis and plant regeneration from fragments of immature inflorescences and coleoptiles of durum wheat
H. Benkirane, K. Sabounji, A. Chlyah, H. Chlyah **107–113**

Influence of nitrogen and phosphorus on induction embryogenic callus of sorghum
L.A. Elkonin, N.V. Pakhomova **115–123**

Photosynthetic pigments and gas exchange during *ex vitro* acclimation of tobacco plants as affected by CO_2 supply and abscisic acid
J. Pospíšilová, D. Haisel, H. Synková, J. Čatský, N. Wilhelmová, Š. Plzáková, D. Procházková, F. Šrámek **125–133**

Influence of *in vitro* growth conditions on photosynthetic competence and survival rate of *Rehmannia glutinosa* plantlets during acclimatization period
J.-H. Seon, Y.-Y. Cui, T. Kozai, K.-Y. Paek **135–142**

Mechanisms regulating differential freezing tolerance of suspension cell cultures derived from contrasting alfalfa genotypes
N.E. Kalengamaliro, J.A. Gana, S.M. Cunningham, J.J. Volenec **143–151**

High frequency androgenesis in indica × Basmati rice hybrids using liquid culture media
U.S. Bishnoi, R.K. Jain, K.R. Gupta, V.K. Chowdhury, J.B. Chowdhury **153–159**

Research notes

***In vitro* storage of *Eucalyptus grandis* germplasm under minimal growth conditions**
M.P. Watt, N.L. Thokoane, D. Mycock, F. Blakeway **161–164**

Transmission of organelle genomes in citrus somatic hybrids
C.D. Moreira, C.D. Chase, F.G. Gmitter Jr, J.W. Grosser **165–168**

Regeneration of sorghum from shoot tip cultures and field performance of the progeny
N. Seetharama, R.V. Sairam, T.S. Rani **169–173**

Volume 61 No. 3

Embryo rescue of interspecific hybrids of *Brachiaria* spp
B.M. Rodrigues-Otubo, M.I. de O. Penteado, C.B. do Valle **175–182**

The effect of gamma irradiation on potato microtuber production *in vitro*
B. Al-Safadi, Z. Ayyoubi, D. Jawdat **183–187**

Microcutting leaf area, weight and position on the stock shoot influence root vigour, shoot growth and incidence of shoot tip necrosis in grape plantlets *in vitro*
P. Thomas **189–198**

Micropropagation of curry leaf tree
K. Nirmal Babu, A. Anu, A.B. Remashree, K. Praveen **199–203**

Anatomical study of zygotic and somatic embryos of *Tilia cordata*
A. Kärkönen **205–214**

Long term maintenance of an anther-derived haploid callus line of the Asiatic hybrid lily 'Connecticut King'
D.-S. Han, Y. Niimi, M. Nakano **215–219**

***In vitro* androgenesis of triticale in isolated microspore culture**
J. Pauk, M. Puolimatka, K. Lökös Tóth, T. Monostori **221–229**

High frequency shoot regeneration from immature embryo explants of Hungarian vetch
C. Sancak, S. Mirici, S. Özcan **231–235**

Recovery and regeneration of embryogenic cultures from female flowers of False Horn Plantain
A. Grapin, J-L. Ortíz, T. Lescot, N. Ferrière, F.X. Côte **237–244**

Research note

Establishment and characterization of American elm cell suspension cultures
S.M. Eshita, J.C. Kamalay, V.M. Gingas, D.A. Yaussy **245–249**

Instructions for authors **251–255**

Author index **257**

Contents Volume 61 **259–261**